

**INBRE Summer Undergraduate Research Symposium**  
**Thursday, July 25, 2024 Wyoming Union, Ballroom**

**8:00 a.m.** Coffee/Tea breakfast breads/fruit

**8:40 a.m.** Welcome and Opening Remarks

Annie Bergman, PhD, INBRE Student Research Program Director

Scott Seville, PhD, INBRE P.I./Director

**9:00 a.m.**

**Will Gerdes**

*Neuroanatomical Tracing to Determine the Specificity of PAG --> PMC Sensorimotor Feedback Loop*

With Nicole Bedford, PhD

**9:20 a.m.**

**Lillian Laird**

*Purification and Transfection of Schwann Cell Cultures*

With Jared Bushman, PhD

**9:40 a.m.**

**Rachael Horne**

*Hormonal Control of Peptidylarginine Enzymes in the Development of Neutrophil Extracellular Traps in the Female Reproductive Tract*

With Brian Cherrington, PhD

**10:00 a.m.**

**Josh Duckwitz**

*Altering DGCR8 Expression Modulates Biogenesis of PTTG1 a Pituitary Tumor Forming Oncogene Within Lactotrope Cells*

With Brian Cherrington, PhD

**10:20 – 10:30 a.m. BREAK**

**10:30 a.m.**

**Rishab Ranjitkar**

*Wastewater Antimicrobial Resistance Across Wyoming*

With Jim Mildenerger (Public Health Lab)

**10:50 a.m.**

**Bryn Catlin**

*Characterizing Antibiotic Resistance in Staphylococcus aureus from Human & Animal Isolates*

With Jim Mildenerger (Public Health Lab)

**11:10 a.m.**

**Willow Larson**

*Symmetry of the Tensor Veli Palatini Muscle in Individuals with and without Otitis Media from 0-24 Months*

With Katelyn Kotlarek, PhD

**11:30 a.m.**

**Grace Ritchie**

*Electrospinning tissue scaffolds*  
With John Oakey, PhD

**12 – 12:55 p.m.**

**(invited LUNCHEON)**

**Wyoming Union Ballroom**

**1:00 p.m.**

**Merry Teague**

*AKS7 effect on Toxoplasma gondii*  
With Jason Gigley, PhD

**(over)**

**1:20 p.m.**

**Jade Kosmicki**

*Using mouse models to study the roles of the amygdala in depression*

With Yun Li, PhD

**1:40 p.m.**

**Lachlan Johnson**

*Building a Structural and Functional Database of Fungal Virulence Factors to Enhance*

*Food/Medical Security*

With Eunsook Park, PhD

**2:00-2:10 p.m. BREAK**

**2:10 p.m.**

**Michaela Eddy**

*GIRRL study: Glucose levels and diet in adolescent girls*

With Grace Shearrer, PhD

**2:30 p.m.**

**Vaishnavi Bhavsar**

*Mechanisms of circadian control by the cardiac molecular clock*

With Danielle Bruns, PhD

**2:50 p.m.**

**Matthew Werbelow**

*Determining the Mechanism of Asp Microcephaly*

With Scott Schoberg, PhD

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